

OPERATION TREATY
PCT

INTERNATIONAL SEARCH REPORT
(PCT Article 18 and Rules 43 and 44)

**FOR FURTHER
ACTION**

International filing date (day/month/year)
05/12/2001

see Notification of Transmittal of International Search Report
(Form PCT/ISA/220) as well as, where applicable, item 5
(Earliest) Priority Date (day/month/year)
06/12/2000

Applicant's or agent's file reference
6755.PC.01

International application No.
PCT/US 01/43179

Applicant

ABBOTT LABORATORIES

This International Search Report has been prepared by this International Searching Authority and is transmitted according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.
It is also accompanied by a copy of each prior art document cited in this report.

Basis of the report

1

- a. ☒ With regard to the **language**, the international search was carried out on the basis of the language in which it was filed, unless otherwise indicated under this item.
- b. ☐ the international search was carried out on the basis of a translation of the international application in written form.
- ☒ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application as filed has been furnished.
- ☒ the international search was carried out on the basis of a translation of the international application as filed has been furnished.
- ☐ the statement that the subsequently furnished written international application as filed has been furnished.
- ☐ the statement that the information recorded in computer readable form has been furnished.

Certain claims were found unsearchable (see Box II).
Priority is lacking (see Box II).

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 01/43179

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07K16/10 C12N5/20 G01N33/577 G01N33/569 G01N33/68
C07K14/16

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

BIOSIS, WPI Data, PAJ, EPO-Internal, MEDLINE, EMBASE, SEQUENCE SEARCH

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 90 14358 A (AKZO NV ;BUTMAN BRYAN T (US); VENETTA THOMAS M (US)) 29 November 1990 (1990-11-29) cited in the application abstract page 4, line 3 - line 13 page 12, line 19 - line 23 page 13, line 24 - line 26 page 15, line 3 - line 13 claims 1,12-19	1-20
X	EP 0 345 461 A (ABBOTT LAB) 13 December 1989 (1989-12-13) abstract page 3, line 29 - line 40 page 3, line 7 page 15, line 40 - line 49 claims 3,7,20-22	1-20
	-/-	



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- * & * document member of the same patent family

Date of the actual completion of the international search

13 November 2002

Date of mailing of the international search report

05/12/2002

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Irion, A

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages.	Relevant to claim No.
X	DE 197 27 943 A (BOEHRINGER MANNHEIM GMBH) 24 September 1998 (1998-09-24) page 2, line 60 - line 67 page 3, line 37 - line 41 page 4, line 49 - line 56 page 5, line 4 - line 5 page 5, line 11 - line 23 page 5, line 29 - line 32 page 8, line 17 - line 21 page 8, line 48 - line 49 page 10, line 2 - line 6 ---	1-28
X	US 5 612 453 A (WOLF HANS ET AL) 18 March 1997 (1997-03-18) column 1, line 24 - line 30 column 2, line 60 - line 62 ---	25,26
X	NIEDRIG M ET AL: "CHARACTERIZATION OF MURINE MONOCLONAL ANTIBODIES DIRECTED AGAINST THE CORE PROTEINS OF HUMAN IMMUNODEFICIENCY VIRUS TYPES 1 AND 2" JOURNAL OF VIROLOGY, vol. 65, no. 8, 1991, pages 4529-4533, XP009000746 ISSN: 0022-538X abstract ---	1,3,5,7, 8,13,17
X	MINASSIAN A A ET AL: "MONOCLONAL ANTIBODIES AGAINST HUMAN IMMUNODEFICIENCY VIRUS HIV TYPE 2 CORE PROTEINS CROSS-REACTIVITY WITH HIV TYPE 1 AND SIMIAN IMMUNODEFICIENCY VIRUS" PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES, vol. 85, no. 18, 1988, pages 6939-6943, XP000051762 1988 ISSN: 0027-8424 abstract page 6941, right-hand column, paragraph 2; table 1 ---	1,3,5,7, 8,13,17
A	ZOLLA-PAZNER SUSAN ET AL: "The implications of antigenic diversity for vaccine development." IMMUNOLOGY LETTERS, vol. 66, no. 1-3, March 1999 (1999-03), pages 159-164, XP002220582 ISSN: 0165-2478 page 162, right-hand column, paragraph 2 -page 163, right-hand column, paragraph 2 -----	1-28

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 01/43179

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 9014358	A	29-11-1990	AU 642886 B2	04-11-1993
			AU 5835590 A	18-12-1990
			CA 2032509 A1	16-11-1990
			EP 0472659 A1	04-03-1992
			JP 4505621 T	01-10-1992
			KR 168447 B1	15-01-1999
			WO 9014358 A1	29-11-1990
			US 5514541 A	07-05-1996
			US 5210181 A	11-05-1993
			ZA 9003492 A	27-02-1991
EP 0345461	A	13-12-1989	US 5173399 A	22-12-1992
			DE 68918497 D1	03-11-1994
			DE 68918497 T2	04-05-1995
			EP 0345461 A2	13-12-1989
			ES 2065935 T3	01-03-1995
			JP 2107196 A	19-04-1990
			JP 3102643 B2	23-10-2000
DE 19727943	A	24-09-1998	DE 19727943 A1	24-09-1998
			AU 6727798 A	29-09-1998
			WO 9840744 A1	17-09-1998
			EP 0972198 A1	19-01-2000
			JP 2001514749 T	11-09-2001
			ZA 9801955 A	09-09-1999
US 5612453	A	18-03-1997	DE 4039925 A1	17-06-1992
			AT 143974 T	15-10-1996
			AT 216706 T	15-05-2002
			AU 661464 B2	27-07-1995
			AU 8976691 A	18-06-1992
			CA 2057612 A1	15-06-1992
			DE 59108261 D1	14-11-1996
			DE 59109235 D1	29-05-2002
			DK 490383 T3	17-02-1997
			DK 732339 T3	19-08-2002
			EP 0490383 A2	17-06-1992
			EP 0732339 A1	18-09-1996
			ES 2095899 T3	01-03-1997
			IE 914353 A1	17-06-1992
			JP 6107697 A	19-04-1994
			PT 99791 A , B	31-12-1992